TOSHIBA
Leading Innovation ›››

OWNER'S MANUAL
LCD COLOUR TV

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

32AV800E   32AV800V
32AV800T

Owner's Record
You will find the model number and serial number on the back of the TV. Record these numbers in the spaces provided below. Refer to them whenever you call upon your TOSHIBA dealer regarding this product.

Model number:

Serial number:

Contents

Welcome to Toshiba

- Thank you for purchasing this Toshiba LCD Colour TV. This manual will help you use the exciting features of your new TV.

- Instructions in this manual are based on using the remote control.

- You also can use the controls on the TV if they have the same name as those referred to on the remote control.

- Please read all safety and operating instructions in this manual carefully, and keep this manual for future reference.
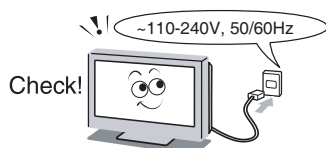
Important Safety Instructions

Be sure to observe the following instructions and precautions to ensure safe use of this TV.

Installation

1) **Always connect the power plug to an appropriate electrical outlet equipped with ~110-240V, 50/60Hz.**

   Never use the TV outside the specified voltage range. It may cause a fire or an electric shock.

WARNING ABOUT THREE-WIRE GROUNDING-TYPE PLUG

- This product shall be connected to a main socket outlet with a protective earthing connection.

- Never remove the earthing pin on the power plug. This system is equipped with a three pin earthing-type power plug. This plug will only fit an earthing-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace the wall outlet.

- Never defeat the purpose of the earthing plug.

About the fuse

In a three pin earthing-type, the fuse fitted in this plug is approved by ASTA or BSI to BS1362. It should be only be replaced by a correctly rated and approved type and the fuse cover must be refitted.

About the earth

An appliance with protective earth terminal should be connected to a mains outlet with a protective earth connection.

About the use

- Make sure to insert the plugs firmly, when plugging the AC power cord into the TV set end and wall outlet end.

- Make sure to hold the plug, when unplugging the AC power cord.

- Never use other cord except for supplied AC power cord, and never use the supplied power cord for any other purpose.

2) **Never insert or remove the power plug with wet hands.**
   This may cause an electric shock.
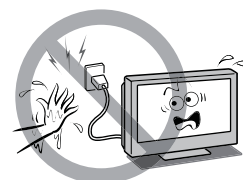
3) **Never place the TV in an unstabilized location such as on a shaky table, incline or location subject to vibration.**

   - Only use cabinets or stands recommended by the TV manufacturer.

   - Only use furniture that can safely support the TV.

   - Ensure that the TV is not hanging over the edge of the supporting furniture.

   - Never place the TV on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the TV to a suitable support.

   The TV may drop or fall off, which may cause an injury or damage.

English
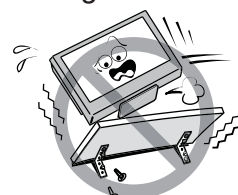
4) Never block or cover the slots and openings in the cabinet.
- Never place the TV so that it is facing upward or on its side.
- Never place the TV in a closet, bookcase or other similar area where the ventilation is poor.
- Never drape a newspaper, tablecloth or curtain on the TV.
- Never stand the TV on cloth or other material placed between the TV and supporting furniture.
- When installing the TV against a wall, always keep the TV at least 10 cm away from the wall.
- Never place the TV on a soft unstable surface, such as a carpet, or a cushion.

The inside of this TV will overheat if the ventilation holes are covered, blocked or sealed, which may result in a fire.
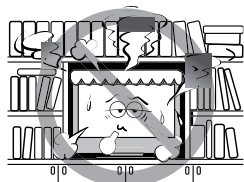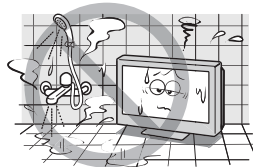
5) Never place the TV near a heater or in direct sunlight.
The surface of the cabinet or power cord may melt and result in a fire or an electric shock.

6) Never place the TV in an area exposed to high humidity levels, such as in a bathroom or close to a humidifier.
This may cause a fire or an electric shock.

7) Never place the TV next to a stove where it will be exposed to oil, smoke, or steam, or in a location where there is a large quantity of dust.
This may cause a fire or an electric shock.

8) Locate the television away from direct sunlight or other strong lights. Soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.
Place the TV set on a stable, level surface that can support the weight of the TV. In order to maintain stability and prevent it from falling over, secure the TV to the level surface using the strap located under the table top stand, or to a wall using a sturdy tie to the clip on the back of the table top stand.
The LCD display panels are manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.
Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen, and that small items cannot be inserted into slots or openings in the case.

4" min.

TV side view

Sturdy strap (as short as possible)

Hook

TV top view

4
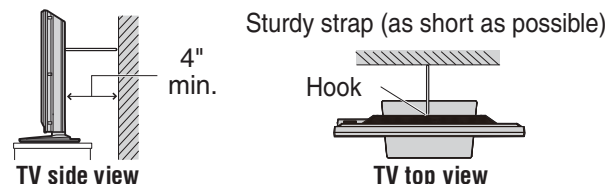
9) Wall mounting the television

- Purchase a VESA compatible wall bracket: VESA 200x200/ M6 screws/ 8mm/ 20kg.

- Locate your ideal TV position on the wall.

- Fix the wall bracket firmly on the wall.

- Secure the TV to the bracket using the 4 mount screws on the back and the centre of the TV.
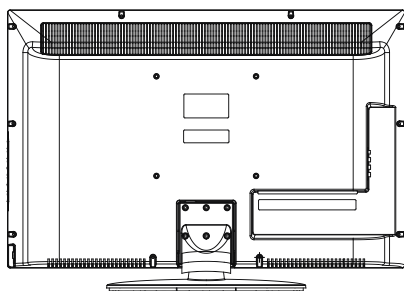
For instruction purposes only

10) Precautions for moving the TV

- When moving the TV, be sure to remove the plug from the wall outlet and disconnect the aerial cable and audio/video cables, any steady ties. A fire or an electric shock may result if the power cord is damaged.

- When carrying the TV, at least two people are needed. Be sure to carry it upright.

- Never carry the TV with the screen facing up or down.
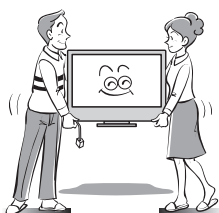
11) Precautions for installing on outdoor aerial

An outside aerial system should not be located in the vicinity of overhead power lines, or other electric light or power circuits.
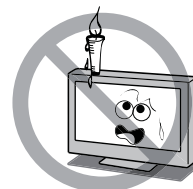
If the aerial falls down or drops, it may cause an injury or an electric shock.

Use

1) Never place hot objects or open flame sources, such as lighted candles or night-lights, on or close to the TV.
High temperatures can melt plastic and lead to fires.

2) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

When liquids are spilled or small items are dropped inside the TV, this may cause a fire or an electric shock.

If small objects drop inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician.

3) Never insert objects (metal or paper) or pour water inside the TV through ventilation holes and other openings.

These items may cause a fire or an electric shock. If these objects are inserted inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician. Be especially careful that children do not insert objects in the TV.

4) Never stand or climb on the TV.
- Educate children about the dangers of climbing on furniture to reach the TV or its controls.
Be especially careful in households with children to prevent them through climbing on top of the TV. It may move, fall over, break, become damaged or cause an injury.

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5) When the TV will not be used for a long period of time, such as during vacation or travel, remove the power plug from the wall outlet for safety.

- The TV is not completely disconnected from the power supply line, as minute current is consumed even when the Power switch is turned off.

- The Mains plug or an appliance coupler is used as the disconnect device, therefore the disconnect device shall remain readily operable.
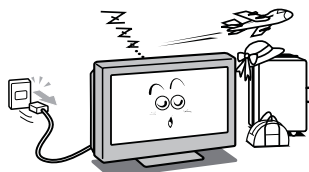
6) Never pull on the power cord when removing the plug from the wall outlet. Always hold the plug firmly when removing it. If the power cord is yanked, the cord may become damaged and a fire or an electric shock may occur.
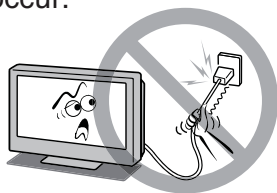
7) Never cut, break, modify, twist, bunch up or bent the cord or apply excessive force or tension to it. Never place heavy objects on the cord or allow it to overheat as this may cause damage, fire or an electric shock. Contact a service technician if the power cord is damaged.
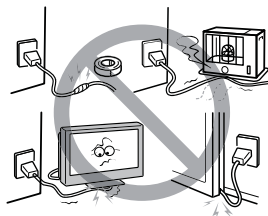
8) If there is thunder or lightning, never touch the aerial cable or other connected cables. You may suffer an electric shock.
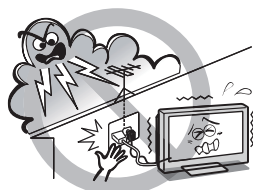
Service

1) Never repair, modify or disassemble the TV by yourself. It may cause a fire or an electric shock.
Consult a service technician for inspection and repairs.

2) When a malfunction occurs, or if smoke or an unusual odor comes from the TV, turn off the TV and remove the power plug from the outlet immediately.

Make sure that the smoke or smell has stopped, then contact a service technician.

If the TV is still used in this condition, it may cause a fire or an electric shock.
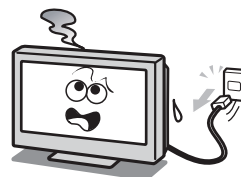
3) If the TV is dropped or the cabinet is broken, turn off the TV and remove the power plug from the outlet immediately.
If the TV has power in this condition, it may cause a fire or an electric shock. If the cabinet is broken, be careful when handling the TV to prevent an injury.
Contact a service technician for inspection and repair.
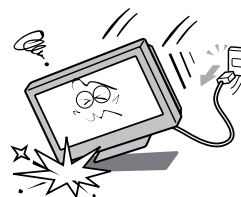
4) When the TV reaches the end of its useful life, ask a qualified service technician to properly dispose of the TV.
Note:
The lamp unit contains a small amount of mercury. Disposal of mercury may be regulated due to environmental considerations.

Dispose of the used lamp unit by the approved method for your area. For disposal or recycling information, please contact your local authorities.

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Cleaning

1) Remove the power plug before cleaning.

Never use solvents such as benzine or thinner to clean the TV.

- These solvents may distort the cabinet or damage its finish.

- If rubber or vinyl products remain in contact with the TV for a long time, a stain may result.

If the cabinet becomes dirty, clean it with a soft, dry cloth.

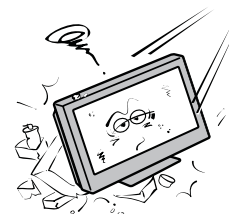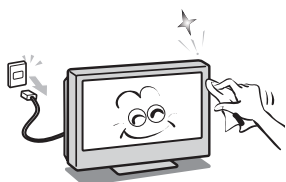When cleaning the surface of the LCD display, wipe the panel surface gently with a soft, dry cloth.

2) Periodically disconnect the power plug from the outlet and check it. If dust has collected on the power plug connectors, clean off the dust with a dry cloth.

This dust may cause a fire due to reduced insulation on the plug.

Clean here

Important information

1) About LCD screen

- If you have the LCD screen facing to the sun, the LCD screen will be damaged. Be aware of locating the TV close to a window or outdoors.

- Never press the LCD screen strongly or scratch it, and never put anything on it. These actions will damage the LCD screen.

2) About cabinet and LCD screen

Never spray volatile compounds such as insecticide on the cabinet and LCD screen. This may cause a discolouration or damage the cabinet and LCD screen.

3) Some pixels of the screen do not light up

The LCD display panel is manufactured using an extremely high level of precision technology, however sometimes some pixels of the screen may be missing picture elements or have luminous spots. This is not sign of malfunction.

4) About interference

The LCD display may cause interference in image, sound, etc. of other electronic equipment that receives electromagnetic waves (Ex. AM radios and video equipment).

5) About using under the low temperature places

If you use the TV in the room of 0°C or less, the picture brightness may vary until the LCD monitor warms up.

This is not a sign of a malfunction.

6) About afterimage

If a still picture is displayed, an afterimage may remain on the screen, however it will disappear.

This is not a sign of malfunction.

Exemptions

- Toshiba is not liable for any damage caused by fires, natural disaster (such as thunder, earthquake, etc.), acts by third parties, accidents, owner's misuse, or uses in other improper conditions.

- Toshiba is not liable for incidental damages (such as profit loss or interruption in business, modification or erasure of record data, etc.) caused by use or inability to use of product.

- Toshiba is not liable for any damage caused by neglect of the instructions described in the owner's manual.

- Toshiba is not liable for any damage caused by misuse or malfunction through simultaneous use of this product and the connected equipment.

Trademark Information

- HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks of HDMI Licensing LLC.

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Connecting an aerial

Optimum reception of colour requires a good signal and will generally mean that an outdoor aerial must be used.

The exact type and positioning of the aerial will depend upon your particular area.

Your Toshiba dealer or service personnel can best advise you on which aerial to use in your area.

Before connecting the aerial cable, turn off all main power switches.

Connect the cable TV or outdoor aerial to the ANALOGUE CABLE (75Ω) terminal to receive the analogue TV system signal.

32AV800E/32AV800T/32AV800V TV back view

From cable TV or outdoor aerial
(ANALOGUE CABLE)
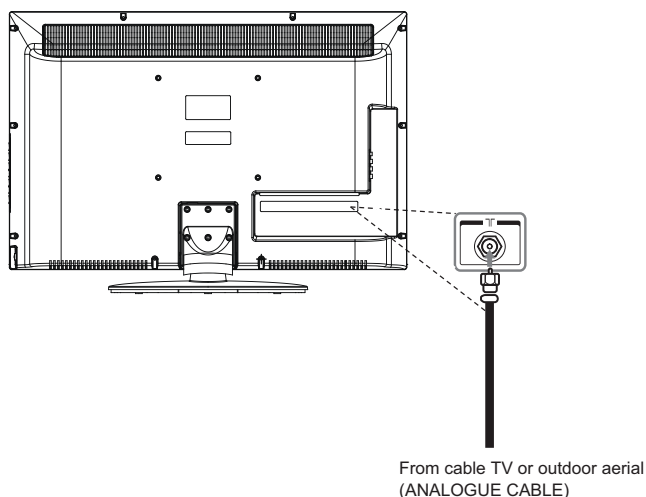
Exploring your new TV

Installing the remote control batteries

Remove the battery cover.

Insert two R03 (AAA), 1.5V batteries matching the –/+ polarities of the battery to the –/+ marks inside the battery compartment.
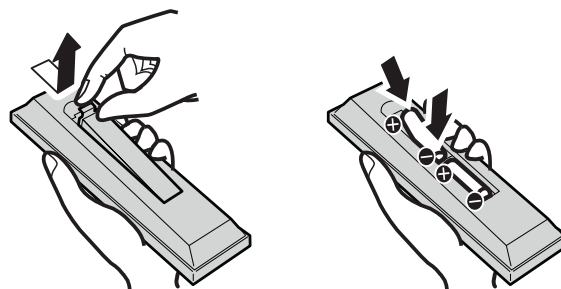
Cautions:

- *Dispose of batteries in a designated disposal area. Batteries must not be exposed to excessive heat such as sunshine, fire or the like.*

- *Attention should be drawn to the environmental aspects of battery disposal. Always dispose of batteries in accordance with applicable laws and regulations.*

- *Never mix battery types or combine used batteries with new ones.*

Note:

- *If the remote control does not operate correctly, or if the operating range becomes reduced, replace both batteries with new ones.*

- *If the batteries are dead or if you will not use the remote control for a long time, remove the batteries to prevent battery acid from leaking into the battery compartment.*

Effective range

within 5m   16.4 ft (5m)
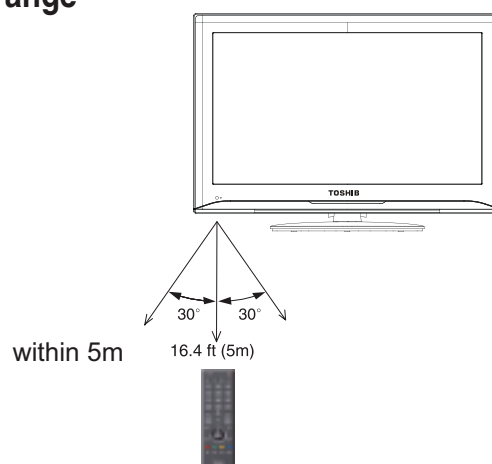
TV front and side panel controls

- You can operate your TV using the buttons on the side panel or the remote control. The back and side of the panel provide the terminal connections to connect other equipment to your TV ("Connecting your TV" pages 21 – 25).

- For the use of each control, see the pages in brackets.

1   Remote sensor — Point the remote control toward this remote sensor ("Remote control effective range" on page 8).
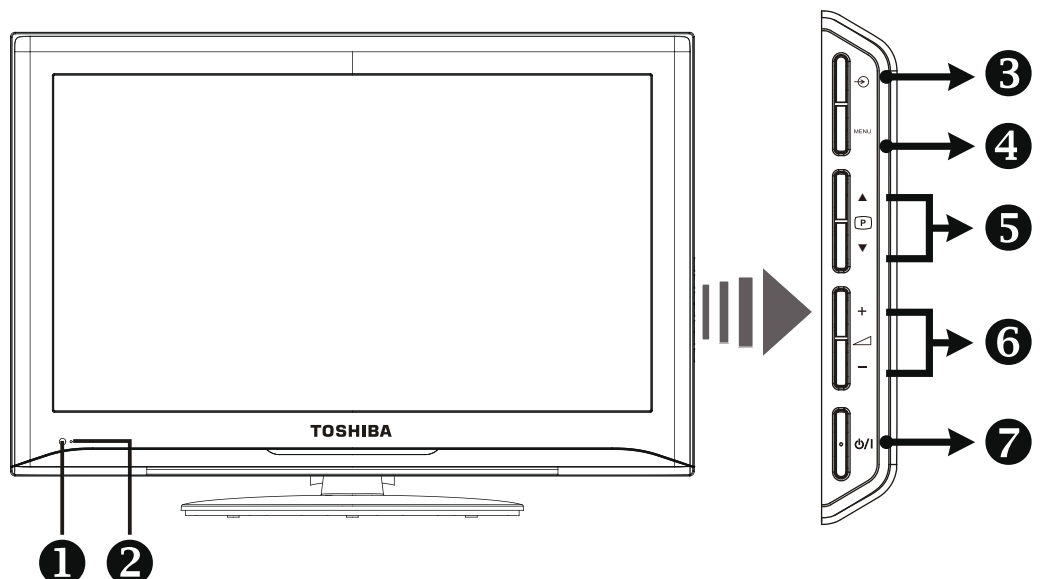
2   ⏻ (Power LED) — Power LED (Green/ Red) = Power indicator

3   ⊕ (Input) — Repeatedly press to change the source you are viewing **(TV, AV1, AV2, YPBPR, HDMI, VGA).**

4   MENU (EXIT) — Press to access the menu system (☞pages 12 – 13). When a menu is on-screen, the **MENU** button on the TV's control panel functions as the **EXIT** button.

5   P ▲▼(Programme position) — When no menu is on-screen, these buttons select the programme position (☞page 13).

6   ⊿ + - (Volume) — These buttons adjust the volume level.
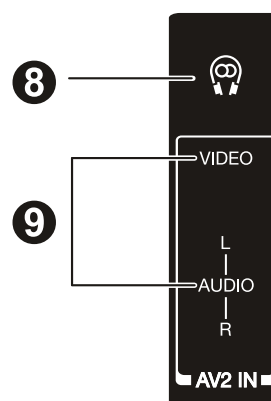
7   ⏻ (POWER) — Press to turn the TV on and off.If the TV stops responding to the controls on the remote control or TV control panel and you cannot turn off the TV, unplug the power cord until the power LED extinguished, and then plugin the power cord again to reset the TV.

8   Headphone jack — For use with headphones.

9   AV2 (VIDEO) — Standard (composite) video and standard audio inputs plus with composite video .

9

TV back panel connections

32AV800E/32AV800T/32AV800V
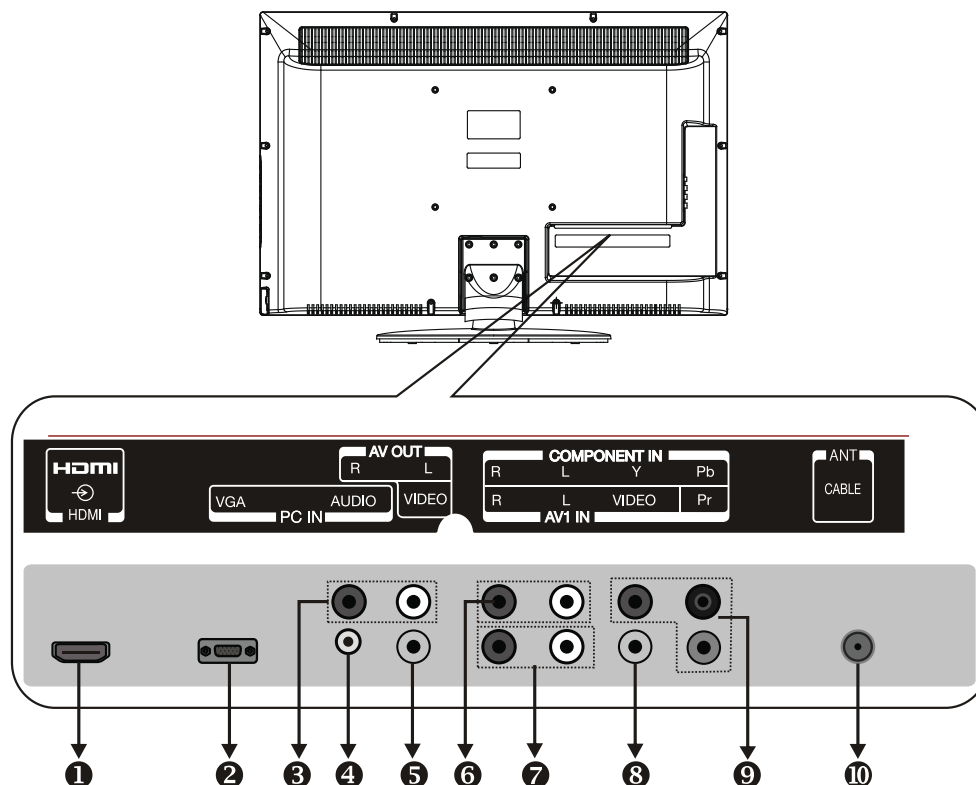
❶ **HDMI**

Connect to the HDMI jack of a device with an HDMI output.

❷ **VGA/PC IN**

Connect to the video output jack on your PC.

❸ **AV AUDIO OUT**

Audio out for external devices.

❹ **PC AUDIO IN**

Audio input for external devices.

❺ **AV VIDEO OUT**

Video out for external devices.

❻ **COMPONENT AUDIO IN**

Connect Component audio.

❼ **AV AUDIO IN**

Audio inputs for external devices.

❽ **AV VIDEO IN**

Video input for external devices, such as a camcorder or VCR.

❾ **YPb/CbPr/Cr**

Connect to YPbPr/YCbCr video.

❿ **RF IN**

Connect to an antenna or cable TV system.

10

Learning about the remote control

Location of controls

1   Toggle between TV ON or Standby

2   Toggle between external input sources

3   In TV and AV1/2 mode: To freeze the picture

4   To select the scale mode 4:3 or 16:9

5   TEXT subtitle pages if available

6   Stereo/Bilingual transmissions

7   Number buttons

8   No Function

9   No Function

10 Change the volume

11 Change the channel

12 Display current channel information

13 Mute the sound

14 To display the teletext screen

15 Exit the menu system

16 No Function

17 Go to the previous level of the menu

18 Display the on-screen menu

19 Menu navigation: ▲ , ▼ , ◄ , ►:

    In Text mode: Change the page
    OK: Confirm the selection

20 Colour button: Text control buttons

        Reveal concealed text

        Hold a wanted page

        Enlarge text display size

        Select a page while viewing a
        normal picture

Turning the TV on

Switching on the TV

Connect the power cord to a wall outlet, the ⏻/| power indicator lights in red (standby mode). Press ⏻ on the remote control or ⏻/| on the TV right side panel, the ⏻/| power indicator lights in green.

Note:

If you watch black and white programmes when the colour system mode is set to Auto, colour noise may appear on the screen. In this case select the appropriate Colour system (For the system, refer to page 18).

Switching off the TV

Press ⏻ on the remote control or on the TV right side panel to switch to the standby mode.

Note:

* *When the TV will not be used for a long period of time, such as during vacation or travel, remove the power plug from the wall outlet.*
* *If power is cut off while you are viewing the TV, the Last Mode Memory function turns on the TV automatically when power is applied again. If power is going to be off for a long time and you are going to be away from your TV, unplug the power cord to prevent the TV from turning on in your absence.*

Using the Quick Setup (TV Only)

Quick Setup helps you quickly select the desired language and start the automatic search.

The **Quick Setup** window appears when the TV is turned on for the first time or after resetting.

Quick Setup
Select your language.
Language ◄ English ►
OK Next ◄► Select
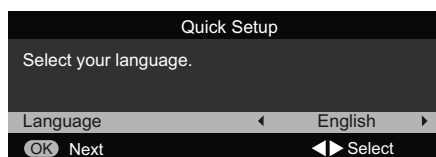
1 Press ◄ or ► to select the desired language.

2 Press OK to start auto tuning.

Auto Tuning

Learning about the menu system

We suggest you familiarize yourself with the display charts before using the menu system:

* Press **MENU** to display menu, then press ◄ or ► to select main menu headings.
* Press ▲ or ▼ to select an item.
* Press ◄ or ► to select or adjust setting.
* Press OK to display the next menu.

Displaying the TV MENU chart

PICTURE menu
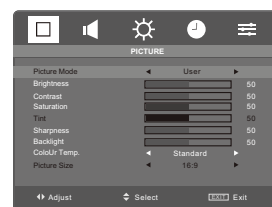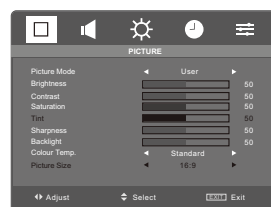
SOUND menu
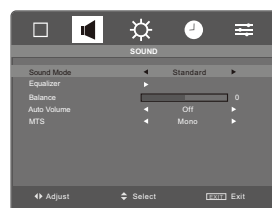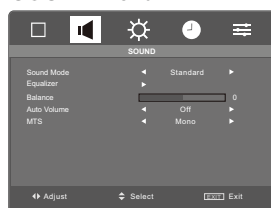
SET UP menu
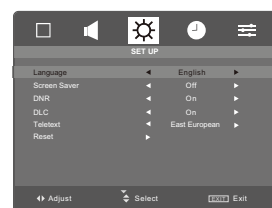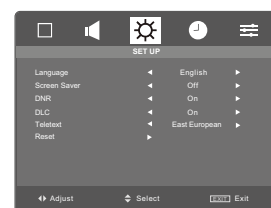
TIMER menu
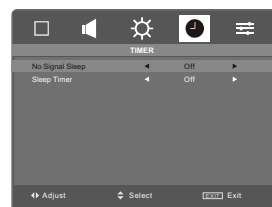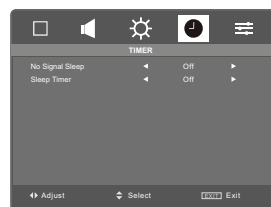
CHANNEL menu
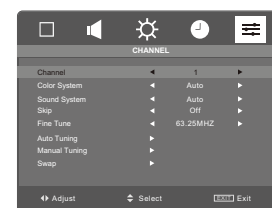
Note:

- *In the video input mode, **Auto Tuning** and **Manual Tuning** are not available.*

- *If you do not make a selection for a while, the menu display disappears automatically.*

- *If you want to close the menu display instantly, press **EXIT** or **MENU**.*

- *To return to the previous menu, press **RETURN**.*

Watching TV Programmes

Selecting the menu language

Choose from different languages (English, Chinese, Malayu, Thai, Vietnamese, Russian, Arabic, Farsi and Francais) for the On-Screen Display.

1 Press **MENU**, then press ◄ or ► to display the **SET UP** menu.

```
              □  ◄  ☼  ◷  ⇄
                    SET UP
       Language          ◄   English      ►
       Screen Saver      ◄   Off          ►
       DNR               ◄   On           ►
       DLC               ◄   On           ►
       Teletext          ◄   East European ►
       Reset             ►

         ↔ Adjust      ⇕ Select      EXIT  Exit
```
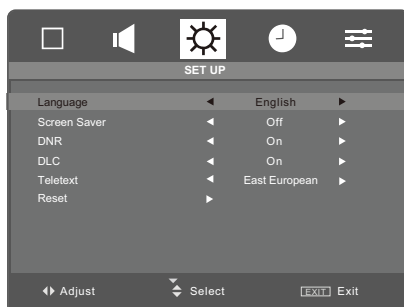
2 Press ▲ or ▼ to select **Language**.

3 Press ◄ or ► to select the desired language.

Changing the position

1 Enter the desired position number using the Number buttons on the remote control. For positions below 10, use 0 and the requiring number. Ex., for position 1.

```
    16      Mono
```

2 You can also change the position by using **P** ⌃ or **P** ⌄.
The position will be displayed on the screen with the Mono/Stereo/Nicam audio status.

Note:
Changing positions between different format channels will takes several seconds.

Displaying the on-screen information

1 Press ⊞ to display the following on-screen information.

```
    13      Mono
```

The information will disappear in about 5 seconds.

- Position or external input mode selected

- Mono/Stereo/Nicam audio status

2 To erase the display instantly, press **EXIT**.

English

Programming channels into the TV's channel memory

Auto tuning

1 From the **CHANNEL** menu, press▲ or ▼ to select **Auto Tuning**

□	◀	☼	🕐	⇶
		CHANNEL		

Channel	◀	1	▶
Color System	◀	Auto	▶
Sound System	◀	Auto	▶
Skip	◀	Off	▶
Fine Tune	◀	63.25MHZ	▶
Auto Tuning		▶	
Manual Tuning		▶	
Swap		▶	

◀▶ Adjust   ⬍ Select   [EXIT] Exit
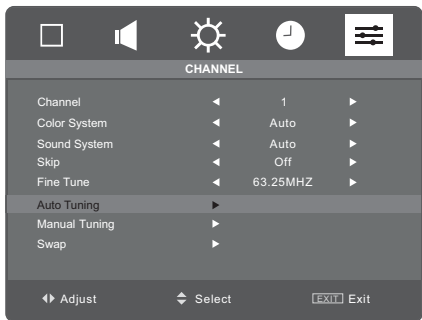
2 Press ◀ or ▶ to start the automatic search.

Auto Tuning	CH:	1	77.25MHZ

3 When the automatic search is completed, the TV will automatically return to programme position 1.

4 Closing the **Auto Tuning** menu, press **EXIT**.

The search will begin for all available stations. The slide bar will move along the line as the search progresses.

You must allow the television to complete the search.

When the search is complete the television will automatically select programme position 1. This may not be a clear picture or the signal may be weak, so the station order can be changed using Manual tuning in **CHANNEL** menu.

Manual tuning

1 From the **CHANNEL** menu, press▲ or ▼ to select **Manual Tuning**

2 Press◀ or ▶to enter **Manual Tuning** menu, then press ▶ button to search from low frenquency to high, or ◀ button to search from high to low.

Manual Tuning	CH:	1	77.25MHZ

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Picture adjustment

Selecting the picture size

Press **MENU** button on the remote control, then press ◄/► button to select **PICTURE** menu.
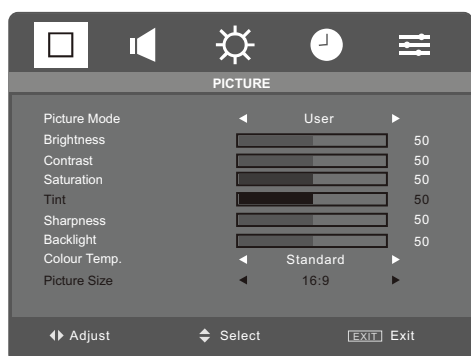
Press ▼/▲ button to select **Picture Size**, and press ◄/► button to adjust picture mode to your desire.

16:9

Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available).
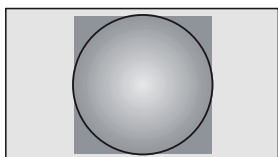
4:3

Use this setting to view a true 4:3 broadcast.
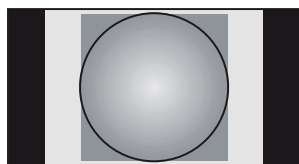
Note:

If you use this function except for the purpose of your private viewing and listening, it may infringe the copyright protected by the copyright laws.

Available Picture Size and Position Control

Screen Mode	Size	PC
16:9	H	Yes
	V	Yes
4:3	H	Yes
	V	Yes

Adjusting the picture settings PC

Adjustment to the position of the picture may be made to suit your viewing preferences.

1 Press **MENU**, then press ◄ or ► to display the **PICTURE** menu.
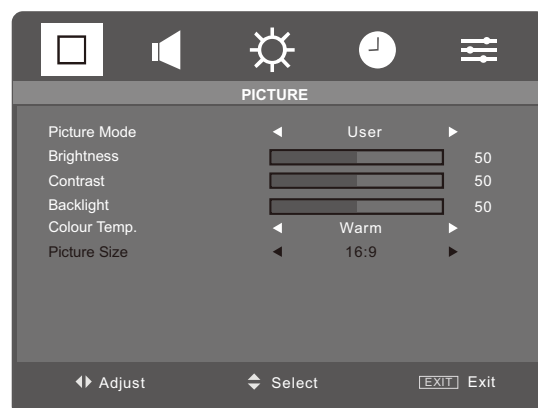
2 Press ▲ or ▼ to select the item you want to adjust.

3 Press ◄ or ► to adjust the settings as desired.

Adjusting the Picture Mode

This TV offers the choice of personalising the picture style.

Standard, **Dynamic**, **Mild** and **User** are preset options and affect may features/settings within the TV.

1   From the **PICTURE** menu press ▲ or ▼ to select **Picture Mode**.

PICTURE		
Picture Mode	◄ User ►	
Brightness		50
Contrast		50
Saturation		50
Tint		50
Sharpness		50
Backlight		50
Colour Temp.	◄ Standard ►	
Picture Size	◄ 16:9 ►	

◄► Adjust   ⬍ Select   EXIT Exit
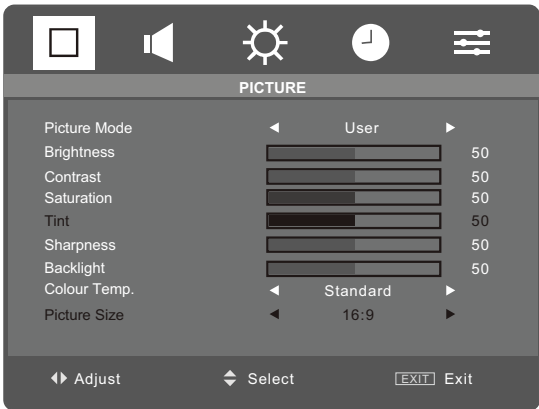
2   Press ◄ or ► to select the picture mode you want.

Picture Mode	◄ Standard ►

Activating the picture preferences

You can customise current picture mode settings while selecting **User**.

1   From the **PICTURE** menu press ▲ or ▼ to select either **Brightness**，**Contrast**，**Saturation**，**Tint**, **Sharpness**，**Backlight** or **Colour Temperature** .

PICTURE		
Picture Mode	◄ User ►	
Brightness		50
Contrast		50
Saturation		50
Tint		50
Sharpness		50
Backlight		50
Colour Temp.	◄ Standard ►	
Picture Size	◄ 16:9 ►	

◄► Adjust   ⬍ Select   EXIT Exit
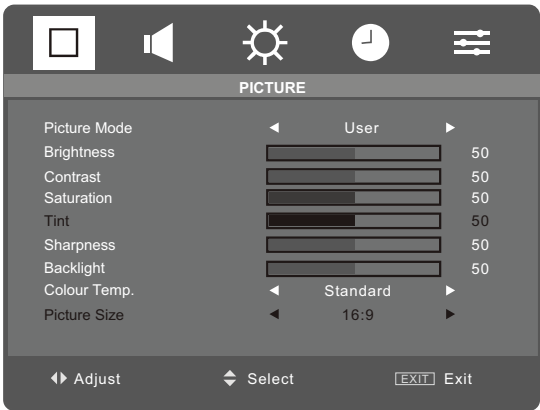
Sound adjustment

1   Press **MENU**, and then press ◄ or ► to display the **SOUND** menu.

SOUND		
Sound Mode	◄ Standard ►	
Equalizer	►	
Balance		0
Auto Volume	◄ Off ►	
MTS	◄ Mono ►	

◄► Adjust   ⬍ Select   EXIT Exit
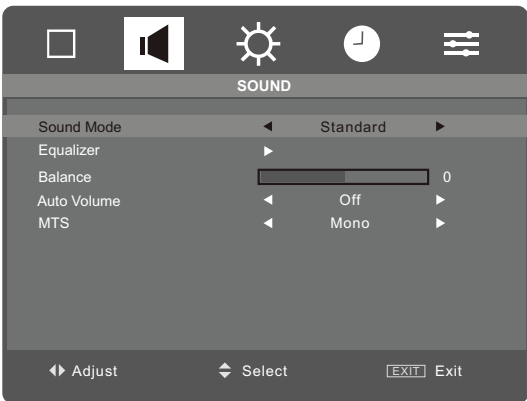
2   Adjusting Sound Mode
Press ▼/▲ button to select **Sound Mode** , use ◄/► button to adjust sound mode:**Standard, News, Music** and **User**.

3 Adjusting Equalizer

Press ▼/▲ button to select **Equalizer**, and press ◄/► button to enter submenu, press ▼/▲ button to select a cirtain frenquency, and use ◄/► button to adjust its value.

SOUND		
120Hz		50
500Hz		50
1.5KHz		50
5KHz		50
10KHz		50

◄► Adjust   ▲▼ Select   [EXIT] Exit
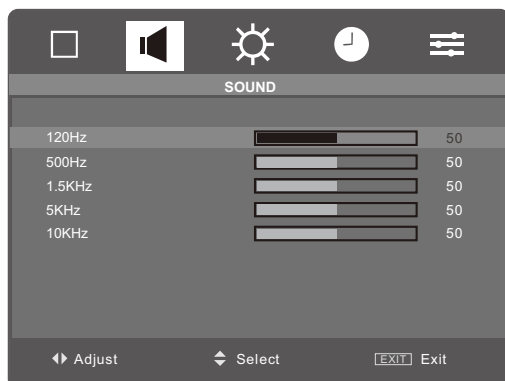
4 Adjusting Balance of sound

Press ▼/▲ button to select **Balance,** use ◄/► button to adjust sound balance.

5 Adjust Auto Volume

Press ▼/▲ button to select **Auto Volume**, use ◄/► button to select **On** or **Off**

6 Adjust MTS of sound

Press ▼/▲ button to select **MTS,** use ◄/► button to adjust to your desired.

Other features settings

Setting the Set Up menu

Press **MENU** button on the remote control and press ◄/► buttonto select **SET UP** menu.

SET UP			
Language	◄	English	►
Screen Saver	◄	Off	►
DNR	◄	On	►
DLC	◄	On	►
Teletext	◄	East European	►
Reset		►	

◄► Adjust   ▲▼ Select   [EXIT] Exit
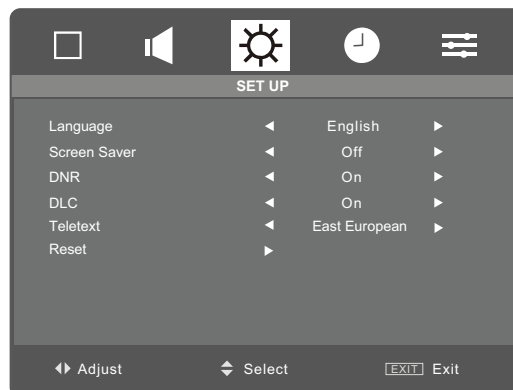
1 Press▲/▼ button to select **Screen Saver** and press ◄/► button to select **Off** or **Blue.**

2 Press ▼/▲ button to select **DNR** Press ◄/► button to adjust DNR option, it can improve the picture sharpness. Note: DNR is only avarilable in TV,AV, YPBPR mode.

3 Press ▼/▲ button to select **DLC** Press ◄/► button to adjust DLC DLC is to automatically detect distribution of inputted visual signal and adjust to create optimum luminance.

4 Press ▼/▲ button to select Reset Press ► button to Reset TV data.

Setting the TIMER menu

Press **MENU** then press ◄/► button to select **TIMER** menu.

```
   □    ◄    ☼    ●    ≡

              TIMER
No Signal Sleep    ◄    Off    ►
Sleep Timer        ◄    Off    ►




   ◄► Adjust      ⬍ Select      EXIT Exit
```
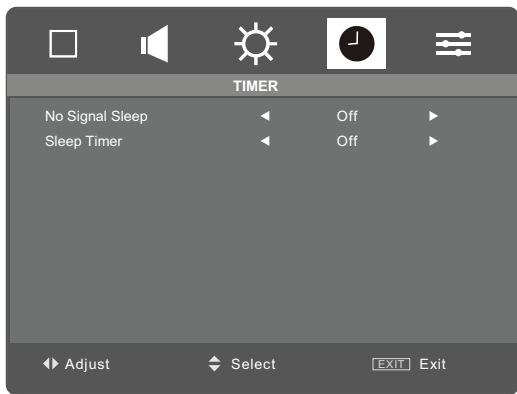
1 Press ▼/▲ button to select
No Signal Sleep, and press ◄/► to select
On or **Off.**

2 Press ▼/▲ button to select **Sleep Timer**.
You can start a sleep timer by setting
Sleep Timer a preset time: **15Min, 30Min,
45Min, 60Min, 90Min, 120Min**, when the time
has passed, the TV will turn to standby mode
automatically.
If you select **Off**, the timer doesn't work.

Setting the manual setting menu

Press **MENU**, then press ◄ or ► to display
the **CHANNEL** menu.

```
   □    ◄    ☼    ●    ≡

             CHANNEL
Channel         ◄    1          ►
Color System    ◄    Auto       ►
Sound System    ◄    Auto       ►
Skip            ◄    Off        ►
Fine Tune       ◄    63.25MHZ   ►
Auto Tuning     ►
Manual Tuning   ►
Swap            ►

   ◄► Adjust      ⬍ Select      EXIT Exit
```
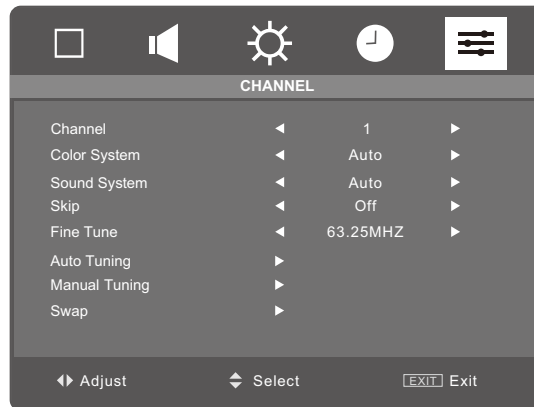
1 Press ▼/▲ button to select **Channel**
you can see the current channel number.

2 Press ▼/▲ button to select **Color System**
and then press ◄/► button to change video
format as follows:

Auto → PAL → SECAM → NTSC

3 Press ▼/▲ button to select **Sound System**,
then press ◄/► button to select sound
system as follows:

Auto → BG → I → DK → M

4 Press ▼/▲ button to select **Skip**
then press ◄/► button to select **On** or **Off.**

5 In case of bad image or sound of TV
program, you can use Fine Tune function
to obtain satisfying image or sound
with operating steps as follows:
Press ▼/▲ button to select **Fine Tune**
and press ◄/► button to conduct fine
tuning from high frequency to low
frequency or from low frequency to high
frequency till best picture or sound effect
is obtained.

6 From the **CHANNEL** menu, press▲ or ▼ to select **Swap,** and press ◄/► button to enter submenu.

Current Channel, **Target Channel** and **Exchange** are used to swap two programs' numbers.

☐	🔊	☼	🕐	☰

CHANNEL

Current Channel	◄	1	►
Target Channel	◄	1	►
Exchange	►		

◄► Adjust   ⬍ Select   EXIT Exit
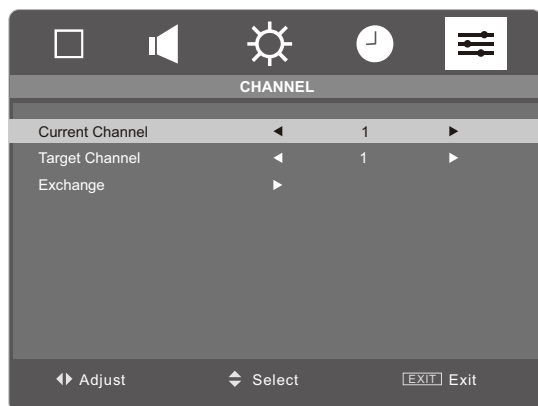
A Current Channel
Press ◄/► button to adjust current channel number.

B Target Channel
Press ◄/► button to adjust target channel number.

C Exchange
Press ◄/► button to perform the exchange of channel number.

Selecting the video input source to view

1 Press ⊕ on the remote control until the video input mode list appears on the screen, then press ▲,▼ or ⊕ to select appropriate input source (or press ⊕ on the TV right side panel to select required input source directly).

Source
TV
AV1
AV2
YPBPR
HDMI
VGA
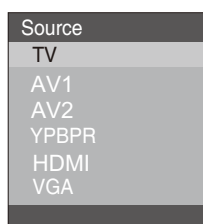
2 Press OK.

Note:

When the component video input, PC input mode or HDMI input mode is selected, the **HEADPHONE** *output terminals output analogue audio signal only.*

Teletext Languages

To select a language for teletext:

1 Press **MENU**, then press ◄ or ► to display the **SET UP** menu.

2 Press ▲ or ▼ to select **Teletext Language** then press ◄ or ► to select the required language.

☐	🔊	☼	🕐	☰

SET UP

Language	◄	English	►
Screen Saver	◄	Off	►
DNR	◄	On	►
DLC	◄	On	►
Teletext	◄	East European	►
Reset	►		

◄► Adjust   ⬍ Select   EXIT Exit
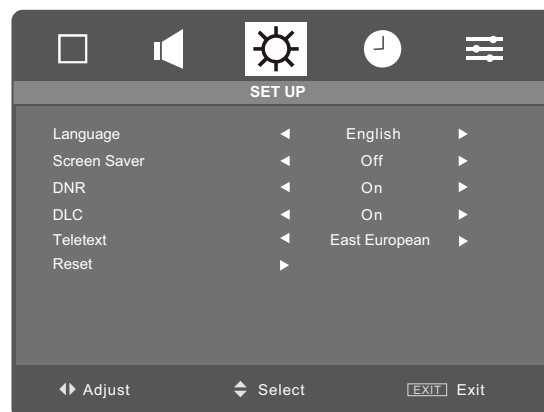
• West European: English, German, Swedish,Finnish,

Hungarian, Italian,French,Portuguese,Spanish,

Turkish,Greek

• East European: Polish, German, Estonian,Lettish, Lithuanian, French,Serbian,Croatia,Slovenian,Czech, Slovak, Rumanian

• Russian: English,German,Estonian,Lettish, Lithuanian,Russian,Bulgarian,Ukrainian,Czech, Slovak

• Arabic: English, German, Swedish, Finnish, Arabic Hungarian, Italian, French, Hebrew, Tukish,

• Farsi: English,German,Swdeish,Finnish,Hungarian, Italian,French,Hebrew,Turkish,Farsi

Note:

• *When you are watching the teletext programme,* **MENU** *button can't selectable.*

• *If there is no* **Teletext** *function on the channel than it will show* **No Teletext** *message in the center of the screen.*

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English

Using Subtitles

1 Press ⌧ⁿ on the remote control to display the current **Subtitle** status. While this status is displayed, press again to change the setting.

Note:

*If **Subtitle** is On, the TV will always display subtitles whenever such information is available for the channel you are viewing.*

Teletext buttons on the remote control

Below is an introduction to the teletext buttons on your remote control and their functions.

TEXT **To display a page of teletext:**

Press TEXT to display teletext. Press again to superimpose the teletext over a normal broadcast picture. Press again to return to normal TV mode.

⌧ **To display on-screen information**

⌧ **To reveal concealed text:**

Some pages cover topics such as quizzes and jokes. To discover the solutions, press ⌧.

⌧ **To hold a wanted page:**

broadcast teletext system but you will not need it as this TV allows you to control the display of sub-pages.

⌧ **To enlarge the teletext display size:**

Press ⌧ once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to the normal size.

⌧ **To select a page while viewing a normal picture:**

When in teletext mode, if a page selection is made and then ⌧ is pressed, a normal picture will be displayed. The TV will indicate when the page is present by displaying the title bar of the text page at the top of the screen. Press TEXT to view the page.

Note:

It will not be possible to change programme position while in Teletext mode, you will have to cancel the teletext first by pressing to return to a normal TV picture.

Side and back connections

Please always refer to the owner's manual of the equipment to be connected for full details.

Connection examples:
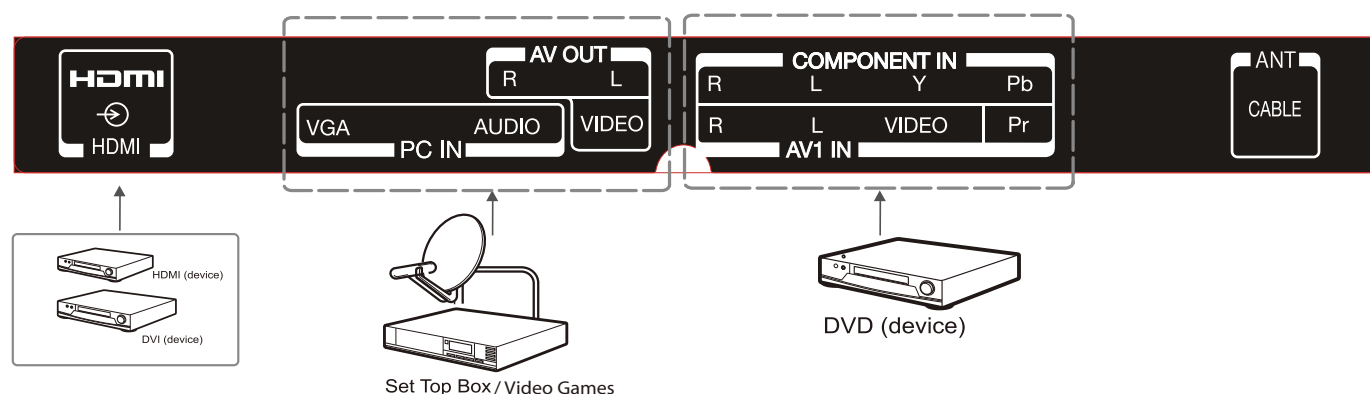
- Before connecting any external equipment, turn off all main power switches.

- To select desired input, press ⊙ until the input list appears on the screen. Press ▲ or ▼ to make the selection, and then press ⊛ .

- If you connect monaural sound equipment to **AV1/2** , connect the audio output of the equipment to the **L/MONO** jack on the TV.

- You can enjoy Video Games with this TV. However shooting games, where the player shoots at a target on the TV screen with a light gun, may not work because of the LCD Colour TV properties.

- The unauthorized recording of television programmes, DVDs, video tapes and other materials may infringe upon the provisions of copyright law.

- The **COMPONENT VIDEO INPUT** consists of three component video signals (**Y, PB/CB, PR/CR**) and provides the best picture performance. These terminals can only be used with the component video compatible equipment, Ex. DVD video player, etc.

- Additional equipment and cables shown are not supplied with this TV.

Connecting an HDMI device

- When turning on your electronic components, turn on the TV first, and then the HDMI device.

- When turning off your electronic components, turn off the HDMI first, and then the TV.

- This TV may not be compatible with features and/ or specifications that may be added in the future.

- This TV is able to connect with HDMI devices. But it is possible that some HDMI devices may not operate properly with this TV.

The HDMI input on your TV receives digital audio and uncompressed digital video from a HDMI device.

This input is designed to accept HDCP programme material in digital from CEA-861-D compliant consumer electronic devices (such as a set top box or DVD player with HDMI output).

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The HDMI input is designed for best performance with 1080i (50/60 Hz) and 1080p (50/60 Hz) high-definition video signals, but will also accept and display 576i/ p, 720p (50Hz); 480i/p, 720p (60 Hz: except for E-EDID) signals. Please see "Acceptable Video signals through HDMI terminals" on page 24.

- **HDMI:** High-Definition Multimedia Interface
- **HDCP:** High-bandwidth Digital Content Protection
- **CEA-861-D** compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the TV.
- **E-EDID:** Enhanced-Extended Display Identification
- **Acceptable PC signal format:** please see "Acceptable PC signals through HDMI/D-SUB terminals" on page 24.

However, these signal formats are converted to match the number of pixels of the LCD panel.

Therefore, the TV may not display small text properly.

If you connect this unit to your PC, the compressed image is displayed in S-XGA mode, therefore the picture quality may deteriorate and characters may not be read.

Connecting an HDMI device

One HDMI cable (type A connector)
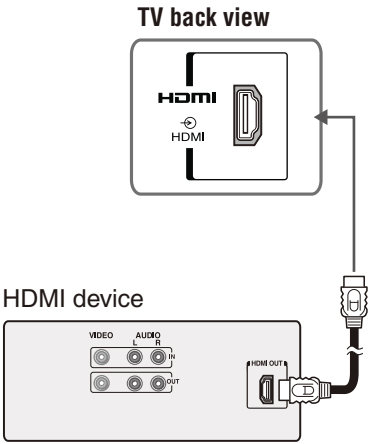
For proper operation, it is recommended that you use a short HDMI cable.

HDMI cable transfers both video and audio.

Connecting a computer

To connect a PC to the RGB/PC terminal on the TV:

An analogue RGB (15 pin) computer cable can be connected.

TV back view

Mini D-sub 15 pin

PC / HDMI
(AUDIO)

Computer

RGB PC cable

Conversion adapter
(if necessary)

Audio cable for PC-toTV connection
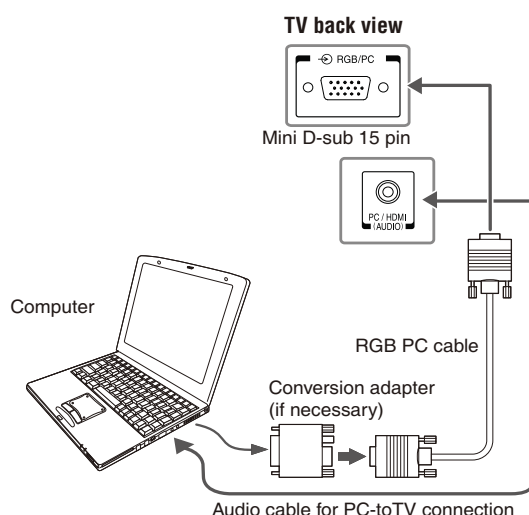
Connect a PC cable from the computer to the **PC IN** terminal on the back of the TV.

Note:

- *Some PC models cannot be connected to this TV.*

- *There is no need to use an adapter for computers with DOS/V compatible mini D-sub 15 pin terminal.*

- *A bar may appear in the upper, lower, right or left side of the screen, or parts of the picture may be obscured depending on some signals. This is not the malfunction.*

- *If the edges of the picture are stretched, read-just the picture position adjustments in the PC Setting menu.*

- *Depending on the specification of the PC you are playing the DVD-Video on, and the DVD's title, some scenes may be skipped, or you may not be able to pause during multi-angle scenes.*

Signal names for mini D-sub 15 pin connector

Pin assignment for RGB/PC terminal

Pin No.	Signal name	Pin No.	Signal name
1	R	9	NC
2	G	10	Ground
3	B	11	NC
4	NC (not connected)	12	SDA
5	NC	13	H-sync
6	Ground	14	V-sync
7	Ground	15	SCL
8	Ground		

To connect a PC to the HDMI terminal on the TV:

When connecting a PC to the HDMI terminal on the TV, use an HDMI to DVI adapter cable and analogue audio cables.

If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector). Separate analogue audio cables are not necessary.

TV back view

HDMI

TV back view

PC / HDMI
(AUDIO)

Computer

PC audio output

Conversion adapter
(if necessary)
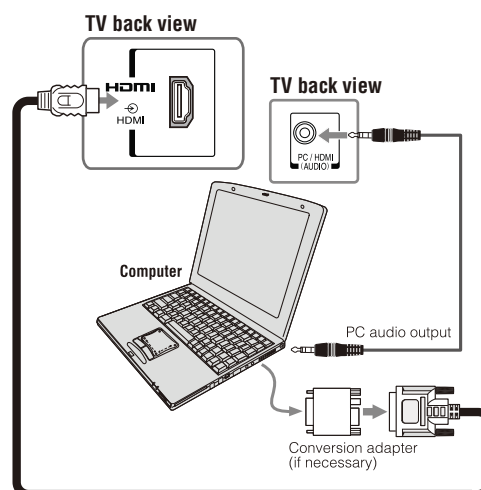
For acceptable PC signal format ( ).

Note:

- *The edges of the images may be hidden.*

- *If connecting a certain PC model that signal is particular, the PC signal may not be detected correctly.*

Acceptable Video signals through HDMI terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
480i	720 x 480i	60Hz	15.734KHz	27MHz
480p	720 x 480p	60Hz	31.5KHz	27MHz / 27.027MHz
576i	720 x 576i	50Hz	15.625KHz	27MHz
576p	720 x 576p	50Hz	31.25KHz	54MHz
720p	1280 x 720p	50Hz	37.5KHz	74.25MHz
720p	1280 x 720p	59.94Hz / 60Hz	44.9KHz / 45KHz	74.17MHz / 74.25MHz
1080i	1920 x 1080i	50Hz	28.125KHz	74.25MHz
1080i	1920 x 1080i	59.94Hz / 60Hz	33.72KHz / 33.75KHz	74.17MHz / 74.25MHz
1080p	1920 x 1080p	50Hz	56.25KHz	148.5MHz
1080p	1920 x 1080p	59.94Hz / 60Hz	67.432KHz / 67.5KHz	148.35MHz / 148.5MHz

Acceptable PC signals through HDMI-SUB   terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
VGA	640 x 480	59.9Hz	31.469KHz	25.175MHz
SVGA	800 x 600	60.3Hz	37.879KHz	40MHz
XGA	1024 x 768	60Hz	48.363KHz	65MHz
WXGA	1280 x 768	59.9Hz	47.396KHz	68.25MHz
WXGA	1280 x 768	59.8Hz	47.776KHz	79.5MHz
WXGA	1360 x 768	60Hz	47.712KHz	85.5MHz
SXGA	1280x1024	60Hz	63.981KHz	108MHz

HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
Note 1 : *HDMI   terminal supports PC signal input.*
Note 2 : *For PC input, for only supported PC signal can show the correct resolution on TV display.*
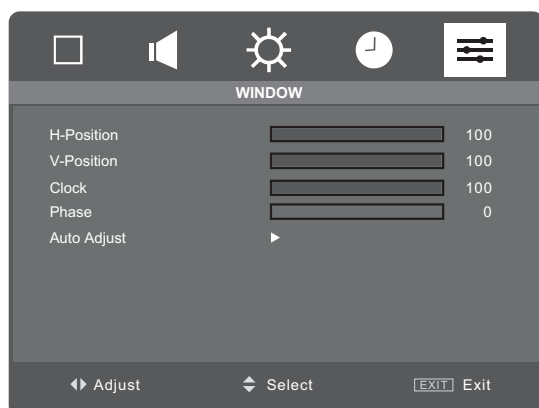
Using the PC Setting

- This function may not be available for some signal or if no signal is received.

- The optimum points of the clock phase and sampling clock adjustments may be incomprehensible according to the input signals.

Adjusting the picture position

An analogue RGB (15 pin) computer cable can be connected.

1 Press **MENU** then press ◄ or ► to display the **WINDOW** menu.

2 Press ▲ or ▼ to select an option you want to adjust. Press ◄ or ► to adjust the settings as required.

□	◀	☼	◷	⇌
		WINDOW		

H-Position		100
V-Position		100
Clock		100
Phase		0
Auto Adjust	►	

◄► Adjust   ⬍ Select   EXIT Exit

Adjusting the sampling clock

If the sampling clock does not match with the dot clock frequency of the PC, blurred picture detail will occur, or screen width will change, or drift patterns in vertical lines may be apparent.

This function enables you to adjust it and optimize the picture.

1 From the **WINDOW** menu, press ▲ or ▼ to select **Clock** .

2 Press ◄ or ► to optimize the picture.

Adjusting the clock phase of the picture

If the clock phase, which synchronize the PC signal and LCD display, is not optimized, the picture will blur.

This function enables you to adjust clock phase and display a clear picture.

1 From the **WINDOW** menu, press ▲ or ▼ to select **Phase** .

2 Press ◄ or ► to obtain a clear picture.

Auto Adjust

The **Auto Adjust** window appears when the PC signal is detected for the first time. **Auto Adjust** configures the Horizontal position, Vertical position, Sampling clock and Clock phase settings.

1 From the **WINDOW** menu, press ▲ or ▼ to select **Auto Adjust**.

2 Press ⓞⓚ.

Note:
Only "H-Position" and "V-Position" are available in the YPBPR mode.

□	◀	☼	◷	⇌
		WINDOW		

| H-Position | | 100 |
| V-Position | | 100 |

◄► Adjust   ⬍ Select   EXIT Exit

English
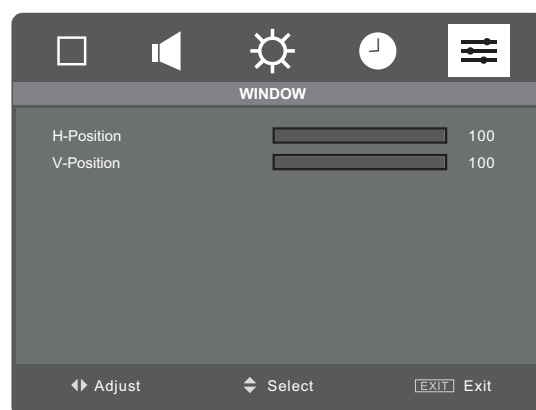
Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the symptom and some solutions.

Symptom and solution

TV will not turn on

- Make sure the power cord is plugged in, then press ⏻.
- The remote control batteries may be dead.
- Replace the batteries.

No picture, no sound

- Check the aerial connections.

No sound, picture OK

- The sound may be muted. Press ⊿+, ⊿– or ⊗.
- The station may have broadcast difficulties. Try another channel.

Poor sound, picture OK

- The station may have broadcast difficulties. Try another channel.

Poor picture, sound OK

- Check the aerial connections.
- The station may have broadcast difficulties. Try another channel.
- Adjust the **PICTURE** menu.

Poor reception of broadcast channels

- Check the aerial connections.
- The station may have broadcast difficulties. Try another channel.
- Mark sure the Colour System is properly set.

Teletext problems

- Check the aerial connections. Good performance of text depends on a good strong broadcast signal.

The brightness of the screen comes down, or flickers of the screen are caused, or some parts of the screen do not light up.

- When you just buy and start to use this TV, a flickering may be caused in the screen. In this case, switch off the TV, then switch on it again to cure the condition.
- The cold cathode fluorescent lamp used for the back light on this TV has longevity. When the brightness of the screen comes down, or the flickers of the screen are caused, or some parts of the screen do not light up, it may reach the end of its life, contact a service technician.

Some pixels of the screen do not light up

- The LCD display panel is manufactured using an extremely high level of precision technology, however, sometimes some pixels of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.

The picture brightness varies when you switch the TV on.

- If you switch the TV on at 0°C and under, wait until the warms up.

Multiple images

- The station may have broadcast difficulties. Try another channel.
- Aerial reception may be poor. Use a high directional outdoor aerial.
- Check if the direction of the aerial has changed.

Poor colour or no colour

- The station may have broadcast difficulties. Try another channel.
- Adjust the Tint and/or Colour in the **PICTURE** menu.

The remote control does not operate

- Make sure the remote control is set to the correct device mode.
- Remove all obstructions between the remote control and the remote control sensor on the TV.
- The remote control batteries may be dead. Replace the batteries.

Broadcast system

Broadcast transmission systems of each country or region

Asia M.E.

Country or region	Colour	Sound
Bahrain, Kuwait, Israel, Oman, Qatar, United Arab Emirates, Yemen, etc. Indonesia, Malaysia, Singapore, Thailand, etc	PAL	B/G
China, Vietnam	PAL	D/K
China Hong Kong	PAL	I
Iraq, Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	SECAM	B/G
Russian Federation, etc.	SECAM	D/K
Myanmar, etc.	NTSC	M

Oceania

Country or region	Colour	Sound
Australia, New Zealand, etc.	PAL	B/G

Africa

Country or region	Colour	Sound
Republic of South Africa, etc.	PAL	I

South America

Country or region	Colour	Sound
Brazil	PAL	M
Chile,Colombia, etc.	NTSC	M

Note:

PAL, SECAM and NTSC 3.58 (MHz) are different colour signal broadcast transmission systems applicable to different countries or region. NTSC 4.43 (MHz) is used in special VCRs to playback NTSC recorded video tapes through PAL television equipment.

Specifications

LCD COLOUR TV

Model

32AV800E 32AV800T
32AV800V

Power source

110-240V, 50/60Hz

Power consumption

32AV800*-120W

Dimensions

32AV800*-56.5(H)cmx79.6cm(W)x23.0cm(D)

Mass (Weight)

32AV800*-10.0kg

Television system (Aerial input)

Channel coverage:

PAL	B/G	(CCIR)	VHF	2 - 12
			UHF	21 - 69
			CATV	X - Z+2, S1 - S41
PAL	I	(UK)	VHF	-
			UHF	21 - 69
			CATV	-
PAL	D/K	(CHINA)	VHF	1 - 12
			UHF	13 - 57
			CATV	Z1 - Z38
SECAM	B/G	(CCIR)	VHF	2 - 12
			UHF	21 - 69
			CATV	X - Z+2, S1 - S41
SECAM	D/K	(OIRT)	VHF	1 - 12
			UHF	21 - 69
			CATV	X1 - X19
NTSC	M	(US)	VHF	2 - 13
			UHF	14 - 69
			CATV	A6 - A1, A - W, AA - ZZ, AAA, BBB
NTSC	M	(JAPAN)	VHF	1 - 12
			UHF	13 - 62
			CATV	M1 - M10, S1- S41

Special RF signal:
NTSC 4.43 colour system
5.5/6.0/6.5 MHz sound system
PAL 60 Hz colour system
5.5/6.0/6.5 MHz sound system

COMPONENT VIDEO INPUT terminals (the signal format)

576i, 576p, 720p, 1080i 50Hz,
480i, 480p, 720p, 1080i 60Hz
(These signal formats are converted to match the number of pixels of the LCD panel.)

Aspect ratio

16:9

Visible size

32AV800*-80.0cm

Number of pixels

1,366 (H) dots x 768 (V) dots

Audio power

32AV800*- 5W + 5W

Input/Output terminals

AV1/2	Input	
	A/V	Video, L/Mono + R
YPBPR	Input	
	Component video Y, P_B/C_B,P_R/C_R	
	Audio jacks	L/Mono + R
VGA	Input	Mini D-sub 15pin
		Analogue RGB
HDMI	Input	
(AUDIO)	3.5 mm (Diameter) stereo	
🎧 HEADPHONE	Output	
(AUDIO)	3.5 mm (Diameter) stereo	
AV OUT	Output	
	A/V	Video, L/Mono + R

Operating condition

Temperature: 5°C - 35°C (41°F - 94°F)
Humidity: 20% - 80% (non-condensing)

Supplied accessories

Remote Control (1)
Batteries (AAA 1.5V) (2)
Owner's Manual(1)

• Design and specifications are subject to change without notice.

• Never service or refit the TV by yourself. It may expose you to a fire hazard or dangerous voltages.